

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP03/13369

A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl⁷ G02B7/04, G02B7/08

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl⁷ G02B7/04, G02B7/08

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Jitsuyo Shinan Koho	1940-1996	Toroku Jitsuyo Shinan Koho	1994-2003
Kokai Jitsuyo Shinan Koho	1971-2003	Jitsuyo Shinan Toroku Koho	1996-2003

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P, X	JP 2003-98443 A (Olympus Optical Co., Ltd.), 03 April, 2003 (03.04.03), Page 4, right column, lines 16 to 46; page 6, left column, lines 18 to 21; Fig. 8 (Family: none)	2, 5
X	JP 11-6960 A (Olympus Optical Co., Ltd.), 12 January, 1999 (12.01.99), Page 6, left column, lines 15 to 19, right column, lines 2 to 11; page 9, left column, lines 13 to 24; Fig. 3 & US 6163411 A	1
Y		2-5, 7-11
A		6

Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents:	
"A"	document defining the general state of the art which is not considered to be of particular relevance
"E"	earlier document but published on or after the international filing date
"L"	document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
"O"	document referring to an oral disclosure, use, exhibition or other means
"P"	document published prior to the international filing date but later than the priority date claimed
"T"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"X"	document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"Y"	document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"&"	document member of the same patent family

Date of the actual completion of the international search 13 January, 2004 (13.01.04)	Date of mailing of the international search report 27 January, 2004 (27.01.04)
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Name and mailing address of the ISA/ Japanese Patent Office	Authorized officer
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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP 9-329745 A (Nikon Corp.), 22 December, 1997 (22.12.97), Page 4, left column, lines 10 to 33; page 7, left column, lines 3 to 15; Fig. 1 (Family: none)	1
Y	JP 63-236006 A (Canon Inc.), 30 September, 1988 (30.09.88), Page 1, lower left column, line 17 to lower right column, line 3; Fig. 1 (Family: none)	2
Y	JP 7-333500 A (Fuji Photo Optical Co., Ltd.), 22 December, 1995 (22.12.95), Fig.1 & US 5745303 A	3
Y	JP 7-333501 A (Fuji Photo Optical Co., Ltd.), 22 December, 1995 (22.12.95), Full text; Figs. 1 to 7 & US 5657167 A	7-11
Y	JP 2002-131611 A (Minolta Co., Ltd.), 09 May, 2002 (09.05.02), Page 4, left column, lines 19 to 30, 41 to 44, right column, lines 2 to 7; Figs. 1 to 7 (Family: none)	4,10,11
Y	JP 7-39129 A (Matsushita Electric Industrial Co., Ltd.), 07 February, 1995 (07.02.95), Full text; Figs. 1 to 5 (Family: none)	7
Y	JP 2000-193877 A (Canon Inc.), 14 July, 2000 (14.07.00), Full text; Figs. 1 to 7 (Family: none)	8-11
Y	JP 6-296358 A (Canon Electronics Inc.), 21 October, 1994 (21.10.94), Full text; Figs. 1 to 4 (Family: none)	11